

Preliminary Technical
 Data Sheet

Ultracur3D® ST 80 B
Ultracur3D® ST 80 W
Ultracur3D® ST 80 G

General Properties	Norm	Typical Values
Appearance	-	Black, White, Grey
Viscosity, 30 °C	Cone/Plate Rheometer ¹	400 mPas
Viscosity, 50 °C	Cone/Plate Rheometer ¹	120 mPas
Density (printed part)	ASTM D792	1.12 g/cm ³
Density (liquid resin)	ASTM D4052-18a	1.08 g/cm ³

Tensile Properties	Norm	Typical Values
E Modulus	ASTM D638	1500-1700 MPa
Ultimate Tensile Strength	ASTM D638	34-39 MPa
Elongation at Break	ASTM D638	19-24 %

Impact Properties	Norm	Typical Values
Notched Izod (Machined), 23 °C	ASTM D256	16-19 J/m

Hardness	Norm	Typical Values
Shore D	ASTM D2240	80

Other	Norm	Typical Values
Water Absorption, Short Term (24 hours)	ASTM D570	0.5 %

1) Determined with TA-Instrument DHR rheometer, cone/plate, diameter 60 mm, shear rate 100 s⁻¹

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